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Docket No. 1604-X

COMBINED DECLARATION FOR PATENT APPLICATION
AND
POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTROMAGNETIC AND NUCLEAR RADIATION DETECTOR
USING MICROMECHANICAL SENSORS**

the specification of which was filed on January 18, 1996, and assigned Serial No. 08/588,484.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

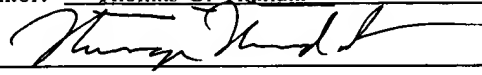
| | |
|---------------------|--------------------------------|
| Harold W. Adams | Registration No. <u>19,101</u> |
| W. Mark Bielawski | Registration No. <u>33,225</u> |
| Vincent A. Branton | Registration No. <u>39,120</u> |
| George L. Craig | Registration No. <u>29,293</u> |
| J. Kenneth Davis | Registration No. <u>38,426</u> |
| Ivan L. Ericson | Registration No. <u>29,302</u> |
| Patrick D. Guettner | Registration No. <u>39,207</u> |
| Joseph A. Marasco | Registration No. <u>32,798</u> |
| Preston H. Smirman | Registration No. <u>35,365</u> |
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All of: Lockheed Martin Energy Systems, Inc.
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Oak Ridge, Tennessee 37831-8243

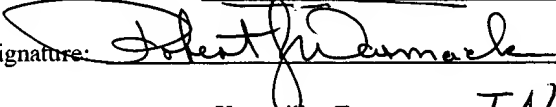
Please direct all correspondence and telephone calls to Preston H. Smirman, Lockheed Martin Energy Systems, Inc., P. O. Box 2009, Oak Ridge, Tennessee 37831-8243, (423) 576-9677.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

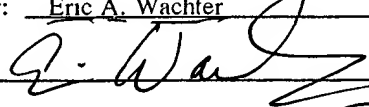
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Full name of first inventor: Thomas G. Thundat
Inventor's Signature:  Date: 7/9/96
Residence: Knoxville, Tennessee TN
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200

Full name of second inventor: Robert J. Warmack
Inventor's Signature:  Date: 4/4/96
Residence: Knoxville, Tennessee TN
Citizenship: United States of America
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300

Full name of third inventor: Eric A. Wachter
Inventor's Signature:  Date: 4 Apr. 1996
Residence: Oak Ridge, Tennessee TN
Citizenship: United States of America
Post Office Address: 138 Bay Path Drive, Oak Ridge, Tennessee 37830

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas G. Thundat, Robert J. Warmack,
and Eric A. Wachter

Docket No. 1604-X

Serial No.: 08/588,484

Examiner:

Date Filed: January 18, 1996

Art Unit:

Title: **ELECTROMAGNETIC AND NUCLEAR
RADIATION DETECTOR USING
MICROMECHANICAL SENSORS**

**ASSOCIATE POWER OF ATTORNEY
PURSUANT TO 37 C.F.R §1.34**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Please recognize as Associate Attorneys in this case:

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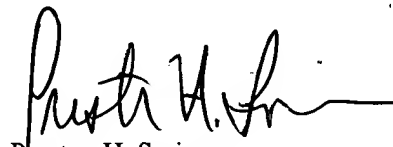
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Respectfully submitted,



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